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# WAGON RACK for TOSSED BALES

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This 16-foot wagon rack will hold approximately 120 bales, 32 inches long and is designed for either front or side unloading. This rack can be built with hand or power tools and requires a small amount of welding. The front platform is intended for use with hay conveyors that have a tiltup extension which can be positioned over the wagon tongue. At the front an extra restraining chain with a center hook placed about 1 foot above the front platform in the raised position may be desired. When unloading bales from the side, lower the platform and start at the top of the load, unhooking the chains as the top bales are removed.

This plan, developed at the University of Wisconsin, covers the construction of the wagon rack only, not the running gear. Some of the dimensions may be governed by the particular wagon gear on which the rack is to be mounted.

All parts except the floor are bolted together for greater durability. Purchase the materials as noted in the bill of materials, on the working drawings. Note that the bolt

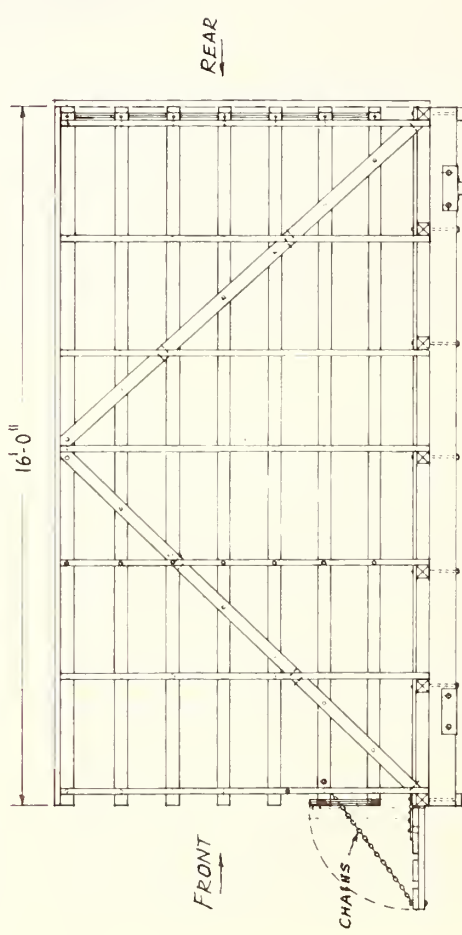
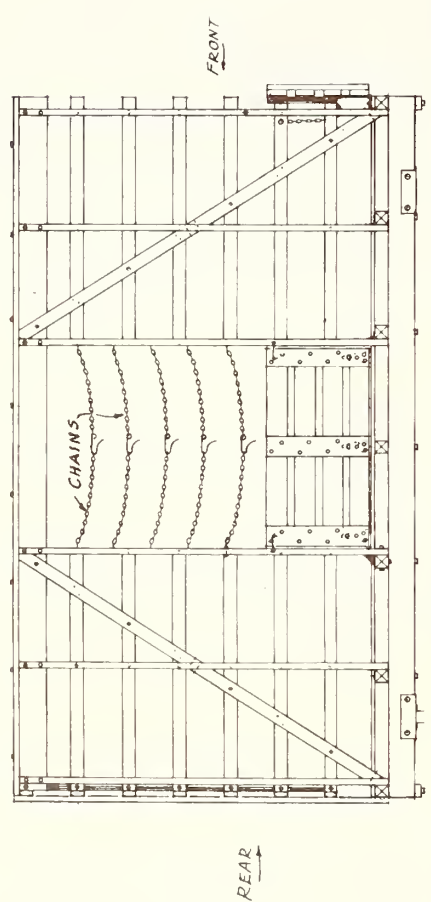
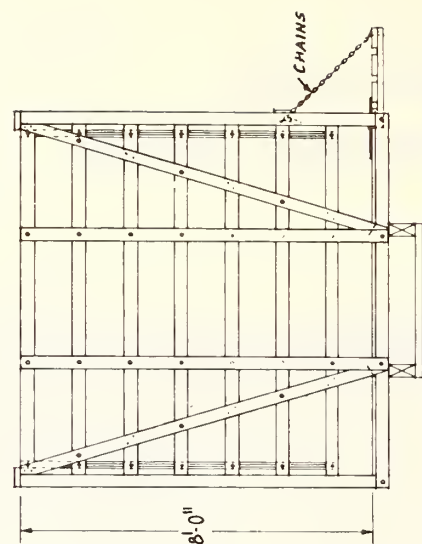
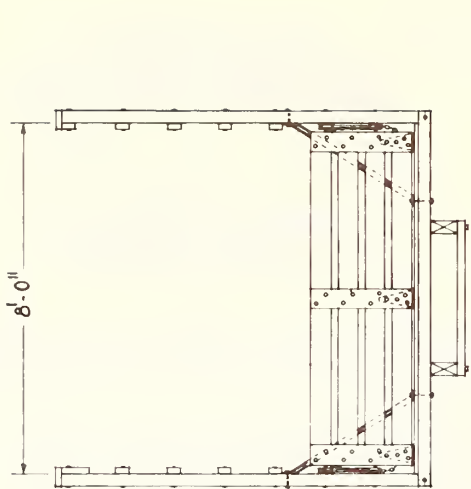
lengths are based on dressed lumber; if full-sized, rough-sawed lumber is to be used, some bolt lengths must be increased accordingly. Locate the running gear on a level site and build the rack on it.

To complete the job, paint the rack and fasten a slow-moving vehicle emblem to the center of the rear end with the point of the triangle upward, and the point not over 5 feet from the ground line.

Complete working drawings may be obtained from the extension agricultural engineer at your State university. There may be a small charge to cover cost of printing.

If you do not know the location of your State university, send your request to Agricultural Engineer, Extension Service, U.S. Department of Agriculture, Washington, D.C. 20250. He will forward your request to the correct university.

ORDER PLAN NO. 6173, WAGON RACK FOR TOSSED BALES



AGRICULTURAL RESEARCH SERVICE